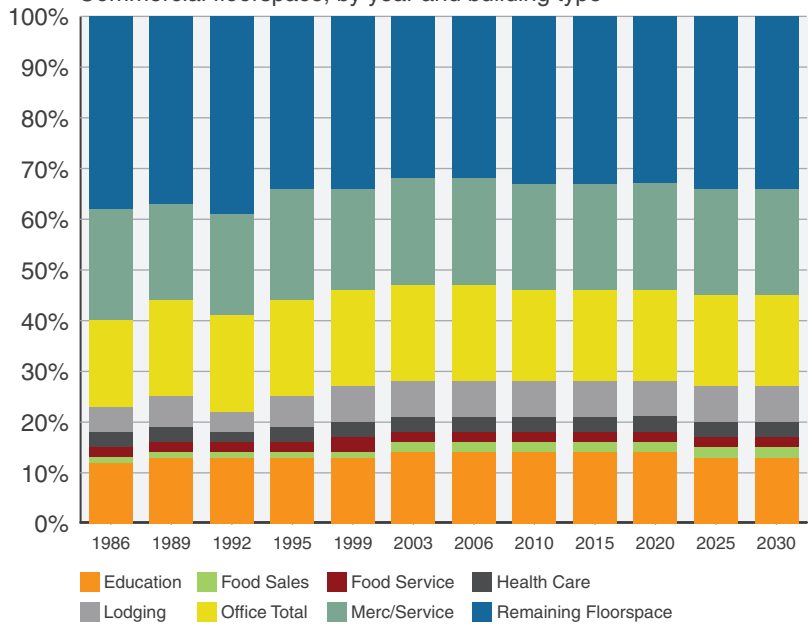
# DELIVERED ENERGY IN THE COMMERCIAL BUILDINGS SECTOR

The Commercial Sector consumed 8.27 Quads of delivered energy in 2006. Delivered energy does not include energy lost during production, transmission, and distribution to customers. In the case of electricity, delivered energy excludes that used by the electric generating and distribution companies. Electricity still remains the dominant source of Commercial Sector delivered energy, at 53%.

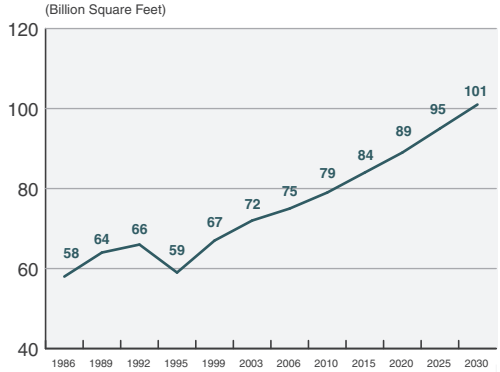
Commercial energy consumption is also dependent on building activity and floorspace. A breakdown of commercial floorspace is provided by building type.

Commercial floorspace is expected to increase by 26 billion square feet from 2006 to 2030; however, the building mix remains nearly unchanged.

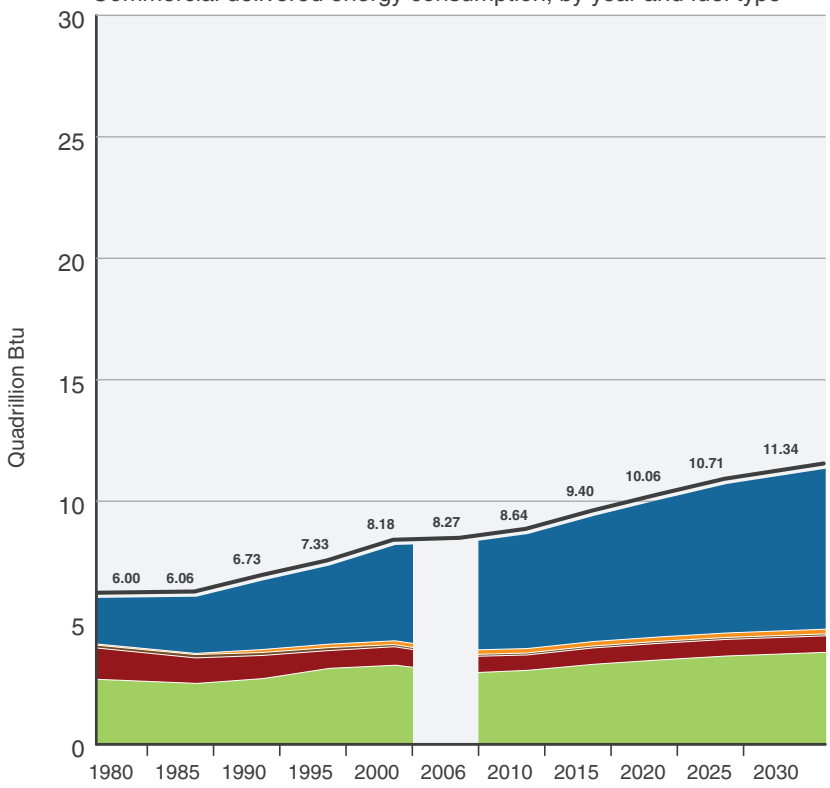
Commercial floorspace, by year and building type

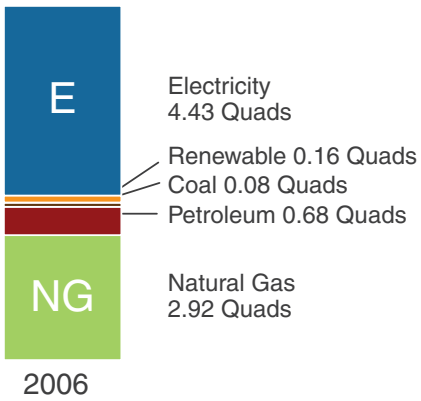



Total floorspace
(Billion Square Feet)




Commercial delivered energy consumption, by year and fuel type




Consumption by fuel type, 1980–2030
Quadrillion Btu (Quads)

| | 1980 | 1985 | 1990 | 1995 | 2000 | 2006 | 2010 | 2015 | 2020 | 2025 | 2030 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Electricity | 1.91 | 2.35 | 2.86 | 3.25 | 3.96 | 4.43 | 4.73 | 5.19 | 5.67 | 6.15 | 6.62 |
| Renewable | 0.02 | 0.02 | 0.10 | 0.12 | 0.13 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | 0.17 |
| Coal | 0.12 | 0.14 | 0.12 | 0.12 | 0.09 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 |
| Petroleum | 1.29 | 1.05 | 0.95 | 0.73 | 0.76 | 0.68 | 0.63 | 0.67 | 0.68 | 0.68 | 0.68 |
| Natural Gas | 2.67 | 2.50 | 2.70 | 3.12 | 3.25 | 2.92 | 3.04 | 3.29 | 3.47 | 3.63 | 3.78 |